Mohsen Shahlaei

List of Publications by Citations

135 papers	1,707 citations	24 h-index	34 g-index
139 ext. papers	2,074 ext. citations	4.4 avg, IF	5.61 L-index

#	Paper	IF	Citations
135	Descriptor selection methods in quantitative structure-activity relationship studies: a review study. *Chemical Reviews*, **2013**, 113, 8093-103	68.1	132
134	Magnetic framework composite as sorbent for magnetic solid phase extraction coupled with high performance liquid chromatography for simultaneous extraction and determination of tricyclic antidepressants. *Analytica Chimica Acta*, **2018**, 1034, 204-213	6.6	62
133	Homology modeling of human CCR5 and analysis of its binding properties through molecular docking and molecular dynamics simulation. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 802-17	3.8	51
132	QSAR study of anthranilic acid sulfonamides as inhibitors of methionine aminopeptidase-2 using LS-SVM and GRNN based on principal components. *European Journal of Medicinal Chemistry*, **2010**, 45, 4499-508	6.8	50
131	Probing of possible olanzapine binding site on human serum albumin: Combination of spectroscopic methods and molecular dynamics simulation. *Journal of Luminescence*, **2015**, 158, 91-98	3.8	49
130	A new composite of nano zero-valent iron encapsulated in carbon dots for oxidative removal of bio-refractory antibiotics from water. *Journal of Cleaner Production*, **2019**, 209, 1523-1532	10.3	49
129	Easy synthesis, characterization and cell cytotoxicity of green nano carbon dots using hydrothermal carbonization of Gum Tragacanth and chitosan bio-polymers for bioimaging. *Journal of Molecular Liquids*, **2018**, 259, 284-290	6	48
128	Application of PC-ANN and PC-LS-SVM in QSAR of CCR1 antagonist compounds: a comparative study. *European Journal of Medicinal Chemistry*, **2010**, 45, 1572-82	6.8	44
127	New function of TSGA10 gene in angiogenesis and tumor metastasis: a response to a challengeable paradox. *Human Molecular Genetics*, **2016**, 25, 233-44	5.6	37
126	Experimental and computational studies on the binding of diazinon to human serum albumin. *Journal of Biomolecular Structure and Dynamics*, **2018**, 36, 1490-1510	3.6	36
125	Spectroscopic study of drug-binding characteristics of unmodified and pNPA-based acetylated human serum albumin: Does esterase activity affect microenvironment of drug binding sites on the protein?. *Journal of Luminescence*, **2015**, 160, 351-361	3.8	35
124	Application of an expert system based on Genetic Algorithm–Adaptive Neuro-Fuzzy Inference System (GA–ANFIS) in QSAR of cathepsin K inhibitors. *Expert Systems With Applications*, **2012**, 39, 6182-6191	7.8	34
123	Targeting SARS-COV-2 non-structural protein 16: a virtual drug repurposing study. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 4633-4646	3.6	33
122	Application of carbon dots as efficient catalyst for the green oxidation of phenol: Kinetic study of the degradation and optimization using response surface methodology. *Journal of Hazardous Materials*, **2018**, 353, 444-453	12.8	33
121	Shedding light on the structural properties of lipid bilayers using molecular dynamics simulation: a review study.. *RSC Advances*, **2019**, 9, 4644-4658	3.7	32
120	Exploring binding properties of sertraline with human serum albumin: Combination of spectroscopic and molecular modeling studies. *Chemico-Biological Interactions*, **2015**, 242, 235-46	5	32
119	A molecular dynamics simulation study on the mechanism of loading of gemcitabine and camptothecin in poly lactic-co-glycolic acid as a nano drug delivery system. *Journal of Molecular Liquids*, **2018**, 269, 110-118	6	27

118	Validated QSAR analysis of some diaryl substituted pyrazoles as CCR2 inhibitors by various linear and nonlinear multivariate chemometrics methods. *European Journal of Medicinal Chemistry*, **2010**, 45, 3394-406	6.8	27
117	Study of dual encapsulation possibility of hydrophobic and hydrophilic drugs into a nanocarrier based on bio-polymer coated graphene oxide using density functional theory, molecular dynamics simulation and experimental methods. *Journal of Molecular Liquids*, **2018**, 262, 204-217	6	26
116	The applications of PCA in QSAR studies: A case study on CCR5 antagonists. *Chemical Biology and Drug Design*, **2018**, 91, 137-152	2.9	26
115	Direct evidences for the groove binding of the Clomifene to double stranded DNA. *International Journal of Biological Macromolecules*, **2018**, 114, 40-53	7.9	25
114	An Impedimetric Immunosensor modified with electrospun core-shell nanofibers for determination of the carcinoma embryonic antigen. *Sensors and Actuators B: Chemical*, **2020**, 311, 127928	8.5	24
113	Application of partial least squares and radial basis function neural networks in multivariate imaging analysis-quantitative structure activity relationship: study of cyclin dependent kinase 4 inhibitors. *Journal of Molecular Graphics and Modelling*, **2010**, 29, 518-28	2.8	24
112	Polyvinyl alcohol/Gum tragacanth/graphene oxide composite nanofiber for antibiotic delivery. *Journal of Drug Delivery Science and Technology*, **2020**, 60, 102044	4.5	24
111	Comparative molecular dynamic simulation study on the use of chitosan for temperature stabilization of interferon Ⅱ. *Carbohydrate Polymers*, **2019**, 203, 52-59	10.3	23
110	QSAR analysis for some diaryl-substituted pyrazoles as CCR2 inhibitors by GA-stepwise MLR. *Chemical Biology and Drug Design*, **2011**, 77, 75-85	2.9	22
109	A Comprehensive Physicochemical, In Vitro and Molecular Characterization of Letrozole Incorporated Chitosan-Lipid Nanocomplex. *Pharmaceutical Research*, **2019**, 36, 62	4.5	21
108	Exploring a model of a chemokine receptor/ligand complex in an explicit membrane environment by molecular dynamics simulation: the human CCR1 receptor. *Journal of Chemical Information and Modeling*, **2011**, 51, 2717-30	6.1	21
107	Investigation on human serum albumin and Gum Tragacanth interactions using experimental and computational methods. *International Journal of Biological Macromolecules*, **2018**, 107, 2525-2533	7.9	20
106	Chitosan/gelatin as a new nano-carrier system for calcium hydroxide delivery in endodontic applications: Development, characterization and process optimization. *Materials Science and Engineering C*, **2018**, 92, 540-546	8.3	19
105	Stepwise MLR and PCR QSAR study of the pharmaceutical activities of antimalarial 3-hydroxypyridinone agents using B3LYP/6-311++G** descriptors. *Medicinal Chemistry Research*, **2013**, 22, 1679-1688	2.2	19
104	Electrocatalytic oxidation and determination of dexamethasone at an Fe3O4/PANI□CuII microsphere modified carbon ionic liquid electrode. *RSC Advances*, **2017**, 7, 11322-11330	3.7	17
103	Exploring the binding mechanism of paraquat to DNA by a combination of spectroscopic, cellular uptake, molecular docking and molecular dynamics simulation methods. *New Journal of Chemistry*, **2017**, 41, 14188-14198	3.6	17
102	Cycloartanes from Euphorbia aellenii Rech. f. and their Antiproliferative Activity. *Iranian Journal of Pharmaceutical Research*, **2011**, 10, 105-12	1.1	17
101	Sustained release nanofibrous composite patch for transdermal antibiotic delivery. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 586, 124267	5.1	17

100	QSAR study of some CCR5 antagonists as anti-HIV agents using radial basis function neural network and general regression neural network on the basis of principal components. *Medicinal Chemistry Research*, **2012**, 21, 3246-3262	2.2	16
99	Molecular dynamics simulation of chemokine receptors in lipid bilayer: a case study on C-C chemokine receptor type 2. *Chemical Biology and Drug Design*, **2013**, 82, 534-45	2.9	15
98	Enhanced heterogeneous Fenton oxidation of organic pollutant via Fe-containing mesoporous silica composites: A review. *Journal of Molecular Liquids*, **2021**, 321, 114896	6	15
97	Computational evaluation of some indenopyrazole derivatives as anticancer compounds; application of QSAR and docking methodologies. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2013**, 28, 16-32	5.6	14
96	A coupling of homology modeling with multiple molecular dynamics simulation for identifying representative conformation of GPCR structures: a case study on human bombesin receptor subtype-3. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 250-272	3.6	13
95	Simultaneously implement of both weak magnetic field and aeration for ciprofloxacin removal by Fenton-like reaction. *Journal of Environmental Management*, **2019**, 246, 776-784	7.9	13
94	The effects of rose pigments extracted by different methods on the optical properties of carbon quantum dots and its efficacy in the determination of Diazinon. *Microchemical Journal*, **2020**, 158, 105232	4.8	13
93	Molecular modeling, structure activity relationship and immunomodulatory properties of some lupeol derivatives. *Medicinal Chemistry Research*, **2013**, 22, 1795-1803	2.2	13
92	Quantitative structure-property relationship (QSPR) models for predicting the physicochemical properties of polychlorinated biphenyls (PCBs) using deep belief network. *Ecotoxicology and Environmental Safety*, **2018**, 162, 17-28	7	13
91	Gastric cancer biomarkers; A systems biology approach. *Biochemistry and Biophysics Reports*, **2018**, 13, 141-146	2.2	12
90	Facile aqueous synthesis of Ni-doped CdTe quantum dots as fluorescent probes for detecting pyrazinamide in plasma. *Microchemical Journal*, **2019**, 146, 293-299	4.8	12
89	A simple and label-free genosensor for BRCA1 related sequence based on electrospinned ribbon conductive nanofibers. *Microchemical Journal*, **2018**, 143, 118-126	4.8	11
88	QSAR analysis of some 1-(3,3-diphenylpropyl)-piperidinyl amides and ureas as CCR5 inhibitors using genetic algorithm-least square support vector machine. *Medicinal Chemistry Research*, **2013**, 22, 4384-4400	2.2	11
87	An innovative green sensing strategy based on Cu-doped Tragacanth/Chitosan nano carbon dots for Isoniazid detection. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 228, 117848	4.4	11
86	New and sensitive sensor for voltammetry determination of Methamphetamine in biological samples. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 10989-11000	2.1	10
85	Metformin accelerates myelin recovery and ameliorates behavioral deficits in the animal model of multiple sclerosis via adjustment of AMPK/Nrf2/mTOR signaling and maintenance of endogenous oligodendrogenesis during brain self-repairing period. *Pharmacological Reports*, **2020**, 72, 641-658	3.9	10
84	Nano drug delivery systems: Molecular dynamic simulation. *Journal of Molecular Liquids*, **2021**, 332, 115823	6	10
83	In silico investigation on the inhibitory effect of fungal secondary metabolites on RNA dependent RNA polymerase of SARS-CoV-II: A docking and molecular dynamic simulation study. *Computers in Biology and Medicine*, **2021**, 135, 104613	7	10

82	Dipyridamole inhibits α-amylase/β-glucosidase at sub-micromolar concentrations; in-vitro, in-vivo and theoretical studies. *Bioorganic Chemistry*, **2019**, 88, 102972	5.1	9
81	Combined spectroscopy and molecular modeling studies on the binding of galbanic acid and MMP9. *International Journal of Biological Macromolecules*, **2015**, 81, 308-15	7.9	9
80	Comparative quantitative structure–activity relationship study of some 1-aminocyclopentyl-3-carboxyamides as CCR2 inhibitors using stepwise MLR, FA-MLR, and GA-PLS. *Medicinal Chemistry Research*, **2012**, 21, 100-115	2.2	9
79	Exploring the interaction between epidermal growth factor receptor tyrosine kinase and some of the synthesized inhibitors using combination of and cytotoxicity methods. *Research in Pharmaceutical Sciences*, **2018**, 13, 509-522	2.6	9
78	Impedimetric aptamer based determination of the tumor marker MUC1 by using electrospun core-shell nanofibers. *Mikrochimica Acta*, **2019**, 187, 5	5.8	9
77	Atomistic details on the mechanism of organophosphates resistance in insects: Insights from homology modeling, docking and molecular dynamic simulation. *Journal of Molecular Liquids*, **2019**, 276, 59-66	6	9
76	Two-dimensional nanostructure colloids in novel nano drug delivery systems. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 585, 124077	5.1	9
75	Development of a human epidermal growth factor derivative with EGFR-blocking and depleted biological activities: A comparative in vitro study using EGFR-positive breast cancer cells. *International Journal of Biological Macromolecules*, **2017**, 103, 275-285	7.9	8
74	Synthesis, characterization and comparative DNA interaction studies of new copper(II) and nickel(II) complexes containing mesalamine drug using molecular modeling and multispectroscopic methods. *Journal of Coordination Chemistry*, **2015**, 68, 3667-3684	1.6	8
73	A Conformational Analysis Study on the Melanocortin 4 Receptor Using Multiple Molecular Dynamics Simulations. *Chemical Biology and Drug Design*, **2015**, 86, 309-21	2.9	8
72	A simple method for determination of mercury (II) ions by PNBS-doped carbon dots as a fluorescent probe. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 5975-5983	2.1	8
71	Nano-biosensors in cellular and molecular biology. *Cellular and Molecular Biology*, **2018**, 64, 85	1.1	8
70	Elucidating the interaction of letrozole with human serum albumin by combination of spectroscopic and molecular modeling techniques. *Research in Pharmaceutical Sciences*, **2018**, 13, 304-315	2.6	8
69	Multi spectroscopy and molecular modeling aspects related to drug interaction of aspirin and warfarin with pepsin; structural change and protease activity. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 228, 117813	4.4	8
68	Virtual screening based on pharmacophore model followed by docking simulation studies in search of potential inhibitors for p38 map kinase. *Biomedicine and Pharmacotherapy*, **2016**, 80, 352-372	7.5	8
67	Analysis of the flexibility and stability of the structure of magainin in a bilayer, and in aqueous and nonaqueous solutions using molecular dynamics simulations. *Journal of Molecular Modeling*, **2015**, 21, 73	2	7
66	Effectiveness of naltrexone treatment for alcohol use disorders in HIV: a systematic review. *Substance Abuse Treatment, Prevention, and Policy*, **2020**, 15, 24	3.4	7
65	Statistically validated QSAR study of some antagonists of the human CCR5 receptor using least square support vector machine based on the genetic algorithm and factor analysis. *Medicinal Chemistry Research*, **2013**, 22, 1399-1414	2.2	7

64	Rapid determination of the anti-cancer agent Gemcitabine in biological samples by fluorescence sensor based on Au-doped CdTe. *Journal of Molecular Liquids*, **2018**, 266, 514-521	6	7
63	Sepantronium Bromide (YM155), A Small Molecule Survivin Inhibitor, Promotes Apoptosis by Induction of Oxidative Stress, Worsens the Behavioral Deficits and Develops an Early Model of Toxic Demyelination: In Vivo and In-Silico Study. *Neurochemical Research*, **2019**, 44, 2482-2498	4.6	6
62	A new sensing strategy based on thymine bases□Hg2+□ethylene blue coordination on the electrospun PES□QDs platform for detection of Hg2+ in fruit juice samples. *Journal of the Iranian Chemical Society*, **2019**, 16, 2269-2279	2	6
61	Application of unfolded principal component analysis-radial basis function neural network for determination of celecoxib in human serum by three-dimensional excitation-emission matrix fluorescence spectroscopy. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 138, 675-83	4.4	6
60	Multi-spectroscopic and molecular modeling investigation of the interactions between prantschimgin and matrix metalloproteinase 9 (MMP9). *Luminescence*, **2016**, 31, 587-593	2.5	6
59	Modeling of CCR5 antagonists as anti HIV agents using combined genetic algorithm and adaptive neuro-fuzzy inference system (GA□ANFIS). *Medicinal Chemistry Research*, **2013**, 22, 4423-4436	2.2	6
58	Diethylalkylsulfonamido(4-methoxyphenyl)methyl)phosphonate/phosphonic acid derivatives act as acid phosphatase inhibitors: synthesis accompanied by experimental and molecular modeling assessments. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2017**, 32, 20-28	5.6	6
57	Determination of Arsenic in Drinking Water Samples by Electrothermal Atomic Absorption Spectrometry after Preconcentration Using the Biomass ofAspergillus nigerLoaded on Activated Charcoal. *Journal of Chemistry*, **2014**, 2014, 1-6	2.3	6
56	Critical effects on binding of epidermal growth factor produced by amino acid substitutions. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 1085-1101	3.6	5
55	Comparative experimental/theoretical studies on the EGFR dimerization under the effect of EGF/EGF analogues binding: Highlighting the importance of EGF/EGFR interactions at site III interface. *International Journal of Biological Macromolecules*, **2018**, 115, 401-417	7.9	5
54	A signal amplification by QDs used for ferrocene-labeled sandwich aptasensor for determination of Hg2+ in water samples. *Journal of the Iranian Chemical Society*, **2019**, 16, 2555-2564	2	5
53	Quantitative structure-activity relationship study of P2X7 receptor inhibitors using combination of principal component analysis and artificial intelligence methods. *Research in Pharmaceutical Sciences*, **2015**, 10, 307-25	2.6	5
52	Exploring the interaction between □site-markers, aspirin and esterase-like activity□ternary systems on the human serum albumin: direct evidence for modulation of catalytic activity of the protein in different inhibition modes. *Journal of the Iranian Chemical Society*, **2018**, 15, 555-573	2	5
51	Ultrasonic Enhanced Zero-Valent Iron-Based Fenton Reaction for Ciprofloxacin Removal under Aerobic Condition. *Environmental Processes*, **2020**, 7, 227-241	2.8	5
50	Introduction of a thrombin sensor based on its interaction with dabigatran as an oral direct thrombin inhibitor. *Materials Science and Engineering C*, **2021**, 119, 111417	8.3	5
49	Comparison of correlation ranking and eigenvalue ranking unfolded principal component regression for direct determination of naproxen in human serum using excitation□emission matrix fluorescence spectroscopy. *Journal of the Iranian Chemical Society*, **2015**, 12, 967-977	2	4
48	Constructing an atomic-resolution model of human P2X7 receptor followed by pharmacophore modeling to identify potential inhibitors. *Journal of Molecular Graphics and Modelling*, **2015**, 61, 243-61	2.8	4
47	Molecular insight into the Grandivitin- matrix metalloproteinase 9 interactions. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 162, 493-499	6.7	4

46	Comparative evaluation of amphotericin B binding to the native and modified forms of rice lipid-transfer protein: a possible perspective on improving the drug-binding affinity and specificity. *Journal of the Iranian Chemical Society*, **2013**, 10, 937-950	2	4
45	TSGA10 overexpression inhibits angiogenesis of HUVECs: A HIF-2□biased perspective. *Microvascular Research*, **2020**, 128, 103952	3.7	4
44	Fenton-like removal of tetracycline from aqueous solution using iron-containing carbon dot nanocatalysts. *New Journal of Chemistry*, **2020**, 44, 17735-17743	3.6	4
43	The electrochemical immunosensor for detection of prostatic specific antigen using quince seed mucilage-GNPs-SNPs as a green composite. *Bioelectrochemistry*, **2021**, 139, 107744	5.6	4
42	TSGA10 Over Expression Decreases Metastasic and Metabolic Activity by Inhibiting HIF-1 in Breast Cancer Cells. *Archives of Medical Research*, **2020**, 51, 41-53	6.6	3
41	A Study on the Binding of Loperamide to Human Serum Albumin Using Combination of Computational and Experimental Methods. *Biochemistry and Analytical Biochemistry: Current Research*, **2017**, 06,		3
40	Preparation, characterization and cell cytotoxicity of Pd-doped CdTe quantum dots and its application as a sensitive fluorescent nanoprobe. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 14233-14242	2.1	3
39	QSAR study of anthranilic acid sulfonamides as methionine aminopeptidase-2 inhibitors. *Monatshefte F□ Chemie*, **2012**, 143, 189-198	1.4	3
38	A 2D image-based method for modeling some c-Src tyrosine kinase inhibitors. *Medicinal Chemistry Research*, **2013**, 22, 3012-3025	2.2	3
37	New Zn(II)-Selective Potentiometric Sensor Based on 3-Hydroxy-2-Naphthoic Hydrazide. *Sensor Letters*, **2009**, 7, 119-125	0.9	3
36	Development of Ag nanoparticle-carbon quantum dot nanocomplex as fluorescence sensor for determination of gemcitabine. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 262, 120148	4.4	3
35	Application of general regression neural network and central composite design in fabrication and performance of magnetite (Fe3O4) modified carbon paste electrode for the electrochemical detection of Clomiphene. *Microchemical Journal*, **2019**, 147, 1028-1037	4.8	2
34	Ultrasound assisted pseudo-digestion for determination of iron and manganese in citric acid fermentation mediums by electrothermal atomic absorption spectroscopy. *Open Chemistry*, **2009**, 7, 382-387	1.6	2
33	Cholesterol-lowering drugs the simvastatin and atorvastatin change the protease activity of pepsin: An experimental and computational study. *International Journal of Biological Macromolecules*, **2021**, 167, 1414-1423	7.9	2
32	Computational investigation on the effects of pharmaceutical polymers on the structure and dynamics of interleukin2 in heat stress. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 4536-4546	3.6	1
31	Physiological changes in the albumin-bound non-esterified free fatty acids critically influence heme/bilirubin binding properties of the protein: A comparative, in vitro, spectroscopic study using the endogenous biomolecules. *Spectrochimica Acta - Part A: Molecular and Biomolecular*	4.4	1
30	Application of radial basis function neural network and DFT quantum mechanical calculations for the prediction of the activity of 2-biarylethylimidazole derivatives as bombesin receptor subtype-3 (BRS-3) agonists. *Medicinal Chemistry Research*, **2014**, 23, 3681-3693	2.2	1
29	Computational neural network analysis of the affinity of 2-pyridyl-3,5-diaryl pyrroles analogs for the human glucagon receptor using density functional theory. *Medicinal Chemistry Research*, **2014**, 23, 2046-2061	2.2	1

28	Direct Determination of Arsenic in Beet Sugar Molasses Using Nickel as Chemical Modifier by Electrothermal Atomic Absorption Spectrommetry. *Journal of the Chinese Chemical Society*, **2013**, 60, 241-244	1.5	1
27	Simultaneous Determination of Tyrosine and Histidine by Differential Pulse Cathodic Stripping Voltammetry Using H-point Standard Addition Method in Tap and Seawater. *Electroanalysis*, **2009**, 21, NA-NA	3	1
26	Application of Adsorptive Stripping Voltammetry for Determination of Uranium in the Presence of 3-Hydroxy-2-Naphthoic Hydrazide. *Analytical Letters*, **2009**, 42, 3085-3095	2.2	1
25	Determination of trace amounts of lead by adsorptive cathodic stripping voltammetry with L-3-(3,4-Dihydroxyphenyl)alanine. *Collection of Czechoslovak Chemical Communications*, **2009**, 74, 599-610		1
24	Combined Unfolded Principal Component Analysis and Artificial Neural Network for Determination of Ibuprofen in Human Serum by Three-Dimensional Excitation-Emission Matrix Fluorescence Spectroscopy. *Iranian Journal of Pharmaceutical Research*, **2018**, 17, 864-882	1.1	1
23	Discovery of Novel Glucagon Receptor Antagonists Using Combined Pharmacophore Modeling and Docking. *Iranian Journal of Pharmaceutical Research*, **2018**, 17, 1263-1287	1.1	1
22	QSAR Analysis of Some Antagonists for p38 map kinase Using Combination of Principal Component Analysis and Artificial Intelligence. *Combinatorial Chemistry and High Throughput Screening*, **2015**, 18, 767-83	1.3	1
21	A study on the protease activity and structure of pepsin in the presence of atenolol and diltiazem. *International Journal of Biological Macromolecules*, **2020**, 165, 2855-2868	7.9	1
20	Reduced graphene oxide supported Ti-based metal organic framework as a novel electrochemical sensor for electro-oxidation of Propranolol. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 8396-8409	2.1	1
19	A molecular dynamics study on using of naturally occurring polymers for structural stabilization of erythropoietin at high temperature. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-11	3.6	1
18	Evaluation of the effects of isoniazid and rifampin on the structure and activity of pepsin enzyme by multi spectroscopy and molecular modeling methods. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 253, 119523	4.4	1
17	A novel amino cellulose derivative using ATRP method: Preparation, characterization, and investigation of its antibacterial activity. *Bioorganic Chemistry*, **2021**, 106, 104355	5.1	1
16	Interactions and effects of food additive dye Allura red on pepsin structure and protease activity; experimental and computational supports. *Research in Pharmaceutical Sciences*, **2021**, 16, 58-70	2.6	1
15	Insights from a combination of theoretical and experimental methods for probing the biomolecular interactions between human serum albumin and clomiphene.. *RSC Advances*, **2018**, 8, 40663-40675	3.7	1
14	Sensitive electrochemical sensor for lamotrigine based on modified carbon paste electrode. *Monatshefte Für Chemie*, **2021**, 152, 903-914	1.4	1
13	Nano-biosensors in cellular and molecular biology. *Cellular and Molecular Biology*, **2018**, 64, 85-90	1.1	1
12	Inhibition of SARS-CoV-2 pathogenesis by potent peptides designed by the mutation of ACE2 binding region. *Computers in Biology and Medicine*, **2022**, 105625	7	1
11	Investigating the protective effects of carbohydrate coatings on the structure and dynamic of l-asparaginase against heat stress; a molecular dynamic simulation. *Informatics in Medicine Unlocked* , **2021**, 25, 100689	5.3	0

10	A novel fluorescent turn-on probe for hydrogen peroxide based on carbon dots. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 5615-5623	2.1	0
9	Simultaneous electrochemical investigation and detection of two glucocorticoids; interactions with human growth hormone, somatropin. *Results in Chemistry*, **2022**, 4, 100324	2.1	0
8	Prediction of glucagon receptor antagonist activities of some substituted imidazoles using combined radial basis function neural network and density functional theory. *Medicinal Chemistry Research*, **2014**, 23, 2744-2756	2.2	
7	Metal ion-doped CdTe-based quantum dots: preparation, characterization and photocatalytic application. *Chemical Papers*, **2022**, 76, 3215	1.9	
6	Hydrophilic Natural Polymers for Sustained-controlled Release of Calcium Hydroxide. *Iranian Journal of Pharmaceutical Research*, **2020**, 19, 323-332	1.1	
5	Preparation and Characterization of Magnetic Polypyrrole Composite Microspheres Decorated with Copper (II) As A Sensing Platform for Electrochemical Detection of Carbamazepine. *Iranian Journal of Pharmaceutical Research*, **2020**, 19, 19-34	1.1	
4	Investigation on the effects of Bactenecin on POPC membrane in atomistic details using molecular dynamics simulation. *Journal of Reports in Pharmaceutical Sciences*, **2019**, 8, 13	0.4	
3	Stealth cross-linked polymeric nanoparticles for passive drug targeting: a combination of molecular docking and comprehensive in vitro assay. *Bulletin of Materials Science*, **2020**, 43, 1	1.7	
2	Synthesis of (Z)-3-((5-(benzylthio)-4H-1,2,4-triazol-3-yl)imino)-5-haloindolin-2-one derivatives: combined spectroscopic and computational investigations on the level and activity of matrix metalloproteinases 2 and 9 in cancer cell lines. *Journal of the Iranian Chemical Society*, **2021**, 18, 1781-1800	2	
1	Epirubicin-calf thymus DNA interaction: a comprehensive investigation using molecular docking, spectroscopy and fluorescent quantum dots. *Cellular and Molecular Biology*, **2018**, 64, 1-7	1.1	